IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/769,745
Confirmation No.: 7218
Filing Date: January 30, 2004
Inventors: Suresh et al.
Title: METHOD AND SYSTEM FOR IMAGE PROCESSING AND CONTOUR ASSESSMENT

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Examiner: Unknown
Art Unit: 3762
Atty. Dkt. No.: 5838-06701/EBM

CERTIFICATE OF MAILING
UNDER 37 C.F.R. §1.8

DATE OF DEPOSIT: 7/27/04

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail on the date indicated above and is addressed to:
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Alexandria, VA 22313

Jackie L. Pitre

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
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P.O. Box 1450
Alexandria, VA 22313

Sir:

It is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 (A1-A34) be considered by the Examiner and made of record. Copies of the listed documents are enclosed for the convenience of the Examiner.

Should any additional fees be required, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. Deposit Account No. 50-1505/5838-06701/EBM.

Respectfully submitted,

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Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	ATTY. DKT. NO. 5838-06701 APPLICANT: Suresh et al. FILING DATE: January 30,2004	SERIAL NO. 10/769,745 ART NO. 3762 CONFIRMATION NO. 7218

U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	A1	F. P. van Rugge et. al., "Magnetic Resonance Imaging during dobutamine Stress for detection and localization of coronary artery disease" *Circulation* 1994; 90, No 1, pp. 127-138
	A2	Antman, Elliott M. et al., "Abciximab Facilitates the Rate and Extent of Thrombolysis- Results of the Thrombolysis in Myocardial Infarction (TIMI) 14 Trial", *Circulation*, Jun. 1, 1999, pp. 2720-2732.
	A3	Keegan, Jennifer et al., "Interleaved Spiral Cine Coronary Artery Velocity Mapping", *Magnetic Resonance in Medicine*, vol. 43, 2000, pp. 787-792.
	A4	Medina, R. et al., "Reconstruction of Three-Dimensional Shapes in Biplane Angiography: a Fuzzy and Evolutionary Approach ", *Computers in Cardiology*, Hannover, Germany, Sep. 1999, 26, pp. 663-666.
	A5	Miles, K.A., "Measurement of tissue perfusion by dynamic computed tomography", *The British Journal of Radiology*, 1991, vol. 64, No. 761, pp. 409-412.
	A6	Mochizuki, Teruhito et al., "Demonstration of Acute Myocardial Infarction by Subsecond Spiral Computed Tomography-Early Defect and Delayed Enhancement", *Circulation*, 1999, 99, pp. 2058-2059.
	A7	Rumberger, John A. et al., "Use of Ultrafast Computed Tomography to Quantitate Regional Myocardial Perfusion: A Preliminary Report", *Journal of the American College of Cardiology*, vol. 9, no. 1, Jan. 1987, pp. 59-69.
	A8	J.M. Guccione et al., "Passive Material Properties of Intact Ventricular Myocardium Determined from a Cylindrical Model" *Journal of Biomechanical Engineering*, vol. 113, Feb. 1991.
	A9	K.D. Costa et al., "A Three-Dimensional Finite Element Method for Large Elastic Deformations of Ventricular Myocardium: I-Cylindrical and Spherical Polar Coordinates" *Journal of Biomechanical Engineering*, Nov. 1996, vol. 118, pp. 452-463.
	A10	P.J. Hunter et al., "Modeling the mechanical properties of cardiac muscle" *Progress in Biophysics & Molecular Biology*, 69 (1998) pp. 289-331.
	A11	R. Mazhari et al., "Integrative Models for Understanding the Structural Basis of Regional Mechanical Dysfunction in Ischemic Myocardium" *Annals of Biomedical Engineering*, 2000, vol. 28, pp. 979-990.
	A12	Hurst et al., "Hurst's The Heart, Arteries and Veins, 9th Edition" McGraw-Hill, 1998, Chapters 18-20, pp. 623-684.
	A13	Y. Sun et al., "A comprehensive model for right-left heart interaction under the influence of pericardium and baroreflex" *The American Journal of Physiology*, 1997, pp. H1499-H1515.

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	A14	Makhijani, V. B. et al., "Three-dimensional coupled fluid - Structure simulation of pericardial bioprosthetic aortic valve function" *ASAIO Journal*, 1997, 43:M387-M392.
	A15	Olszewski, M. E., "Segmentation of Cardiac Magnetic Resonance Images Using Multidimensional Active Appearance Models", Department of Electrical and Computer Engineering, The University of Iowa, April, 2001.
	A16	Patel, N. C. et al., "Neurological Outcomes in Coronary Surgery: Independent Effect of Avoiding Cardiopulmonary Bypass" *Ann. Thorac. Surg.* 2002;74:400-6, Presented at the 38th Annual Meeting of The Society of Thoracic Surgeons, Fort Lauderdale, FL, Jan 28-30, 2002.
	A17	F.H. Sheehan et. al., "Advantages and applications of the centerline method for characterizing regional ventricular function" *Circulation* 1986; 74, no. 2, pp. 293-305.
	A18	Imamaki, M. et. al., "Prediction of improvement in regional left ventricular function after coronary artery bypass grafting: quantitative stress-redistribution^{201} TI imaging in detection of myocardial viability" *J. Cardiovascular Surg.* Oct., 2002; Vol. 43, No. 5: pp. 603-7.
	A19	E. R. Holman et. al., "Detection and Quantification of Dysfunctional Myocardium by Magnetic Resonance Imaging" *Circulation* 1997; Vol. 95, No. 4; pp. 924-931.
	A20	van der Geest, Rob J. et al., "Comparison Between Manual and Semiautomated Analysis of Left Ventricular Volume Parameters from Short-Axis MR Images", Journal of Computer Assisted Tomography, vol. 21, no. 5, 1997, pp. 756-765.
	A21	Weiss, Robert M. et al., "Evaluation of Cardiovascular Structure and Function with Electron-Beam Computed Tomography", Marcus Cardiac Imaging, 1996, Vol. 2, Chapt. 53: 820-828.
	A22	Dai, Xiaolong et al., "Left-Ventricle Boundary Detection from Nuclear Medicine Images", (http://www4.ncsu.edu/eos/users/w/wes/homepage/daiHTML/cmrg_JDI.fm3.html#FN1) Journal of Digital Imaging, Vol. 11, No. 1, Feb., 1998.
	A23	Di Donato, M. et al. "Regional Myocardial performance of non-ischaemic zones remote from anterior wall left ventricular aneurysm - Effects of aneurysmectomy", European Heart Journal, (1995) 16, 1285-1292.
	A24	T.F. Cootes and C. J. Taylor, "Statistical Models of Appearance for Computer Vision" July 10, 2000 http://cvl.umiacs.umd.edu/users/nanda/Academics/Academic.html
	A25	Cootes, T. F. et al., "Constrained Active Appearance Models" (http://citeseer.nj.nec.com/cache/papers/cs/22292/http:zSzzSzwww.wiau.man.ac.ukzSz~bimzSzPaperszSziccv2001.pdf/cootes01constrained.pdf) Proc. Int. Conf. on Computer Vision 2001, Vol. I, pp. 748-754, 2001.
	A26	nerac.com "tech track: cardiac MRI", Question No. 1193837.005, April 11, 2003.

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	A27	10/135,465	4/30/2002	Murphy et al.			
	A28	10/800,461	3/15/2004	Murphy et al.			
	A29	10/800,433	3/15/2004	Murphy et al.			
	A30	10/768,403	1/30/2004	Murphy et al.			
	A31	U.S. Patent Application entitled "A System and Method for Facilitating Cardiac Intervention	1/30/2004	Murphy et al.			

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	A32	nerac.com "tech track: Florence H Sheehan", Question No. 1199989.005, February 28, 2003.
	A33	nerac.com "RetroSearch: Active Appearance Models", Question No. 1199989.009, Sept. 15, 2003.
	A34	nerac.com "tech track: cardiac MRI", Question No. 1193837.005, April 12, 2003.

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